

# LASER LIGHT ACTUATION SYSTEM

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## ABSTRACT

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A laser light actuation system for remotely and selectively actuating a function of a known apparatus. The system includes a laser module adapted to produce a known laser light signal, which is preferably sparsely modulated, the signal being suitable for transmission over a long distance. The system also includes a receiver module adapted to receive and detect the known laser light signal. The receiver module is also adapted to selectively produce an actuation signal in response to the known laser light signal to selectively actuate such an apparatus. The receiver module includes a timer operatively associated with the receiver module to selectively limit the time of actuation of such an apparatus in response to the laser light signal.

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A laser light actuation method for remotely and selectively actuating a function of a known apparatus. The method includes the steps of producing a known laser light signal suitable for transmission over a long distance, receiving the known laser light signal, detecting the known laser light signal, producing selectively an actuation signal to selectively actuate such an apparatus in response to the step of detecting the known laser light signal, and limiting the time of actuation of such an apparatus selectively in response to the laser light signal. The step of receiving the known laser light signal preferably occurs at a location designated by a user.

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Military applications are potentially provided by implementing infrared laser light signals, for example.